

# INVERTER Ceiling Wall

6th year of record achievements.  
Automatic filter cleaning air conditioner



For AWYZ14 / 18LB



For AWYZ24LB

CLASS ALL  
A DC  
AWYZ14LB

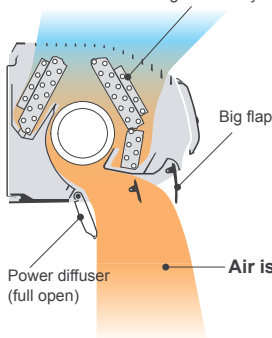
CLASS ALL  
A DC  
AWYZ18LB

CLASS ALL  
A DC  
AWYZ24LB

"Vertical airflow" provides powerful floor level heating

Heating Capacity  
**No.1**

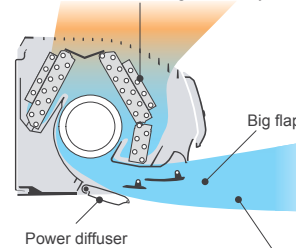
Increased heat exchange efficiency



Air is blown directly downward

"Horizontal airflow" does not blow cool air directly at the occupants in the room

Increased heat exchange efficiency



Blown out horizontally

\*Compared to our conventional Model ASY13PSCCW

## Specifications

Model No.	Indoor unit		AWYZ14LB	AWYZ18LB	AWYZ24LB
	Outdoor unit		AOYZ14LB	AOYZ18LB	AOYZ24LB
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Capacity	Cooling	kW	4.20(0.9~5.3)	5.20(0.9~5.9)	7.10(0.9~8.0)
	Heating		6.00(0.9~9.1)	6.70(0.9~9.7)	8.50(0.9~11.0)
Input Power	Cooling/Heating	kW	1.02/1.35	1.58/1.63	2.21/2.24
EER - Energy Class	Cooling	W/W	4.12-A	3.29-A	3.21-A
COP - Energy Class	Heating		4.44-A	4.11-A	3.62-A
Running Current	Cooling/Heating	A	4.5/5.9	6.9/7.2	9.7/10.3
Moisture Removal		l/h	2.1	2.8	3.0
Noise (Indoor)	Cooling H/M/L/Q/SQ	dB(A)	46/43/35/29/24	46/43/35/29/24	47/43/40/36/32
Noise (Outdoor)	Cooling		46	47	53
Airflow Rate (High)	Indoor / Outdoor	m³/h	850/1910	850/1910	880/3600
Net Dimension H x W x D	Indoor	mm	250×899×298	250×899×298	250×899×298
		kg(lbs)	13.5(30)	13.5(30)	14(31)
	Outdoor	mm	578×790×300	578×790×300	830×900×330
		kg(lbs)	39(86)	39(86)	62(137)
Piping Connections (Small / Large)		mm	6.35/12.70	6.35/12.70	6.35/15.88
Drain Pipe Diameter (Inner/Outer)			16/29	16/29	16/29
Max Pipe Length (Chargeless)		m	20(15)	20(15)	30(15)
Max Height Difference			15	15	20
Operation Range	Cooling	°CDB	-10~43	-10~43	-10~43
	Heating		-15~24	-15~24	-15~24
Refrigerant			R410A	R410A	R410A

## Automatic filter cleaner **WORLD FIRST**<sup>\*1</sup>

- Entire filter is cleaned automatically in approx. 2 minutes.
- Since the filter is cleaned automatically, energy saving capability is displayed without regard to the load on the air conditioner.
- Energy saving CLASS A cleared with a margin to spare.
- 2 exhaustive bacteria eliminating and deodorizing countermeasures keep the air in the room clean.

### Clean & energy saving technology

**a** Dirt and dust are bacteria-eliminated by photocatalytic filter<sup>\*2</sup>

**b** Drives away bacteria and refreshes the air by UV (ultraviolet rays) illumination

**c** Energy saving by automatic filter cleaning function<sup>\*1</sup>

This function allows an energy saving of more than 25% a year and maintains a smooth airflow by preventing the filters from being clogged with dust.

**d** Computer-designed fan provides a larger airflow than conventional models

New air trunk, which provides a smooth airflow, and axial gap fan motor increase the max. airflow by 10% over that of conventional models.



CAE (Computer aided engineering) analysis

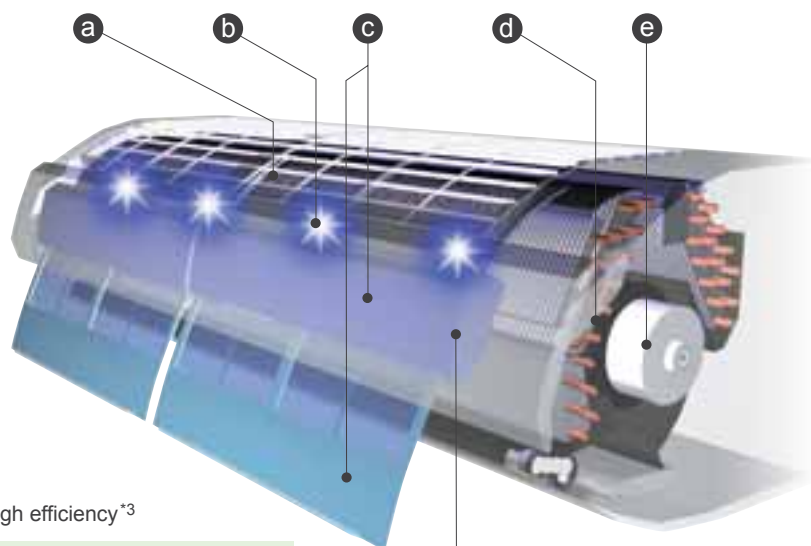
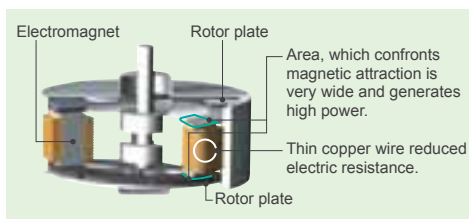
**e** Axial gap fan motor enables nonconventional high power and high efficiency<sup>\*3</sup>

#### Axial gap method

Rotor plates are installed above and below electromagnets.

#### Features (Compared to conventional models)

Compact size with 1.5 more power output  
Self-driven method increases rotating efficiency by 10%. Our electromagnetic field simulation technology enables low vibration and low noise.



#### Antibacterial dust box

Removes dirt and dust by double brushes. Dust collection is approx. twice that in the past. (our company comparison) Maintenance: Only throwing into a trash bin once every 2 years

\*1: Announced September 9, 2002. In room air conditioner for the home (Our company's investigation) \*2: Displays double the effect of a conventional optical medium and retains its property for a long time to suck in and remove approx. 99.99% of cigarette odors and bacteria, etc. \*3: Announced December 13, 2004. As fan motor for air conditioner (Our company's investigation)

## Dimensions **Models:** AWYZ14LB / AWYZ18LB / AWYZ24LB

(Unit : mm)

